
President's Information Technology Advisory Committee

Digital Libraries Panel

David Nagel, Chair
February 25, 2000

Presentation Outline

- **Members**
- **Panel Charter**
- **December 11, 1999 meeting**
- **February 24, 2000 meeting**
- **Status**
- **Planning for May meeting**

Panel Members

- **Chair**

- **Dave Nagel**

- **PITAC Members**

- **Eric Benhamou**
- **Ching-chih Chen**
- **Hector Garcia-Molina**
- **Jim Gray**
- **Bob Kahn**
- **Raj Reddy**

Panel Charter

- **Digital libraries are fundamental enabling technologies for all 10 "critical National Challenge Transformations" described in the PITAC's February 1999 report.**
- **The goal of this panel is to develop a technology research agenda and rationale for the digital libraries R&D that must be conducted in order to realize these transformations.**

December 11, 1999 Panel Meeting

- **Identified key R&D issues**
 - **Reflected in agenda for February 24, 2000 meeting**
- **Discussed words for possible Presidential address such as**
 - **“National goal of every Congressional district having the equivalent of the Library of Congress easily accessible to all citizens”**
 - **“Access to information is important and as a first step we will provide access to all (unclassified) Government information”**
 - **“Encourage states to participate on their own with possible Federal matching funds”**
 - **“Given that digital libraries have a large international component, encourage other countries to participate”**
 - **“The country dedicates itself to eliminating the ‘knowledge divide’”**
- **Agreed that digital libraries is an enabling technology for several PITAC transformations including transforming government**

Briefings at February 24, 2000 Meeting (1)

- Intellectual Property Rights Issues in Digital Libraries and Transforming Government
- Alan Inouye, CSTB
- Federal Statistics: Issues in Digital Libraries and Transforming Government
- Katherine Wallman, OMB

Briefings at February 24, 2000 Meeting (2)

- **Digital Libraries for Science and Engineering Education**
- **Digital Libraries for Geo-spatial Data**
- **Digital Libraries for Biomedical Research and Health Care Applications**
- **Metadata Issues**
- **Key Digital Libraries R&D Issues for NSF/CISE**
- **James Lightbourne, NSF/EHR/DUE**
- **Barbara Ryan, USGS**
- **Milton Corn, NIH/NLM**
- **Clifford Lynch, CNI**
- **Michael Lesk, NSF/CISE/IIS**

Status (1)

- **Identified key R&D issues and key agencies**
- **Agency briefings**
- **Key R&D issues:**
 - **Scale**
 - Some issues arise only with very large libraries
 - Need for large scale testbeds
 - **Metadata & metadata use**
 - **Interoperability**
 - **Intellectual property**
 - **Privacy & security**
 - **Content creation and collection**
 - **Archival storage and preservation**

Status (2)

- **Key R&D issues (continued):**
 - **Human use of digital libraries**
 - **User interfaces**
 - **Languages**
 - **Implementation and distribution**
 - **Workforce training**
 - **Government role**
 - **Agency coordination and partnering**
 - **Funding**
 - **Content policy**

Effecting the PITAC Transformations (February 1999)

Planning for May Panel Meeting

- Follow up on February briefings
- Possible additional briefings
 - NASA on remote sensing, EOS DIS, and scaling issues
 - NOAA on digital libraries for atmospheric and oceanic data
- Draft initial report (final report to be submitted to the PITAC in summer 2000)